Monthly Status Briefing

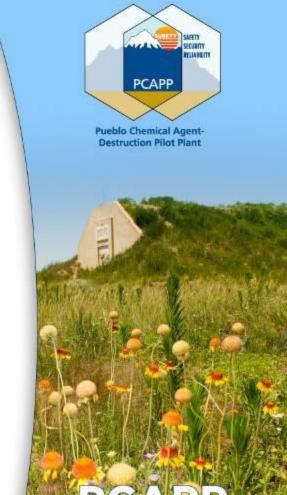
August 2009











Pueblo Chemical Agent-Destruction Pilot Plant

Project Background



- The Pueblo Chemical Agent-Destruction Pilot Plant (PCAPP) will safely destroy 2,611 tons of mustard agent in mortar rounds and artillery projectiles stored at the U.S. Army Pueblo Chemical Depot.
- Neutralization followed by biotreatment is the technology selected by the Department of Defense to destroy the Pueblo chemical weapons stockpile.
- The Program Manager, Assembled Chemical Weapons Alternatives (ACWA), headquartered at Aberdeen Proving Ground, Maryland is responsible for managing all aspects of the safe and environmentally sound destruction of the chemical weapons stockpiles in both Colorado and Kentucky.
- The Bechtel Pueblo Team, a partnership of Bechtel National, Inc.; Washington Demilitarization Company/URS; Parsons; and Battelle Memorial Institute, is the systems contractor selected to design, build, systemize, pilot test, operate and close PCAPP.





Staffing



Bechtel Pueblo Team nonmanual: 302

- Pueblo 294 (100 local hires)
- Other locations 8

Construction Workers:

- Bechtel direct hire 224
- Subcontractor personnel – 57





Subcontract Awards

Inception to date, as of July 31

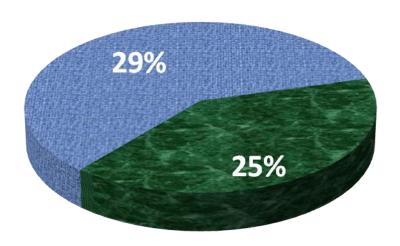


Total Awards in Millions



- Pueblo County Businesses
- Colorado Businesses (outside Pueblo County)
- Businesses Outside Colorado

Awards to Pueblo County and Colorado Businesses



- Pueblo County
- Colorado





Acquisition Awards Status



FY 2009 Upcoming Request for Proposals:

Subcontracts

- Piping Equipment and Heat Tracing
- General Painting
- Modular Medical Facility

Materials

- Misc. Construction & Architectural Materials
- Gypsum Drywall
- Belt Conveyers
- Pumps
- Pipe Supports



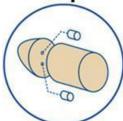




Destruction Technology



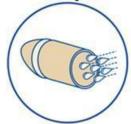
Step 1



REMOVAL OF ENERGETICS

Robotic equipment removes energetics (explosives) from the weapon. The energetics will be disposed of at a permitted facility off site.

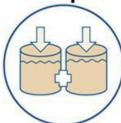
Step 2



REMOVAL OF MUSTARD AGENT

The inside of the weapon is remotely accessed, and mustard agent is washed out with high-pressure water.

Step 3



NEUTRALIZATION OF MUSTARD AGENT

The mustard agent is neutralized with caustic solution and hot water. The byproduct is called hydrolysate.

Step 4



BIOTREATMENT

The hydrolysate is treated with microbes that break down the solution into water and biosludge. Water is recycled in the plant, and biosludge is shipped for disposal at a permitted facility.

Step 5



DISPOSAL OF METAL PARTS

Metal parts are heated to 1,000 degrees Fahrenheit for 15 minutes and can then be recycled.

Neutralization followed by biotreatment will be used to destroy the Colorado chemical weapons stockpile.





Construction Status - Complete



- Multipurpose building
- Energetics service magazine corridor foundation
- Underground infrastructure (utilities)
- Switch gear foundation pads
- Utility building structure
- Agent filtration area, filtration stack and pipe rack foundations
- Automated guided vehicle corridor foundation, curbs/piers, structural steel
- Tank foundations



Construction Status – In Progress



- Agent Processing Building misc. platform erection, siding, roofing, HVAC, cable tray, fire protection, process piping, electrical and mechanical equipment, interior masonry walls
- Enhanced Reconfiguration Building structural, misc. steel, explosion containment room wall rebar and formwork, munitions service magazine corridor
- Utility building/boiler houses cable tray, HVAC, electrical equipment, piping and structural steel
- Control Support Building/Entry Control Facility excavation, rebar, formwork, and underground utilities
- Field erected tanks hydrolysate, brine tanks and coatings
- Pipe rack vertical construction, pipe and cable tray
- Biotreatment area pipe rack and brine tank containment walls
- Biotreatment electrical building underground electrical conduit





PCAPP Site Overview





- 1 Pipe Rack
- 2 Agent Processing Building
- 3 Automated Guided Vehicle Corridor
- 4 Enhanced Reconfiguration Building





Agent Processing Building







Mustard agent will be destroyed in the neutralization bay.

Enhanced Reconfiguration Building









Automated Guided Vehicle corridor





Munitions will travel from the Enhanced Reconfiguration Building to the Agent Processing Building via this corridor.

Pipe Rack





The pipe rack serves as a background for the reverse osmosis tank, which will store water used to wash out the munitions.



Biotreatment Area





With it's many field erected tanks, construction progress continues in the biotreatment area.

Linear Projectile/Mortar Disassembly (LPMD) system











Change of Command







Lt. Col. Robert Wittig, the U.S. Army Pueblo Chemical Depot's new commander, receives the depot colors from Mr. Conrad Whyne, director of the Army's Chemical Materials Agency, at the July 21 change of command ceremony in Pueblo. At right is former depot commander, Lt. Col. Chris Chesney, Whyne, and Wittig.

Pueblo Chemical Agent-Destruction Pilot Plant





Contact Information



Pueblo Chemical Stockpile Outreach Office

104 West B Street Pueblo, Colorado 81003 719-546-0400

Bob Kennemer

Community Outreach Manager

Sandy Romero

Bechtel Communications Manager

U. S. Army Pueblo Chemical Depot

45825 Highway 96 East Pueblo, CO 81006 719-549-4135

Chuck Sprague

Public Affairs Officer

Ken Roque

Public Affairs Specialist









